



PATENT
Attorney Docket No. 1093003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ivan Osorio et al

Group Art Unit:

Appln. No.: 10/622,238

Confirmation No.:

Filing Date: July 18, 2003

For: **UNITIZED ELECTRODE WITH THREE-DIMENSIONAL MULTI-SITE,
MULTI-MODAL CAPABILITIES FOR DETECTION AND CONTROL
OF BRAIN STATE CHANGES**

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
AND ASSOCIATED DOCUMENTS**

Mail Stop Patent Applications
Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

Enclosed herewith are the following for the above-referenced patent application:

Information Disclosure Statement Form PTO-1449 and 14 references. No Office

Action has been issued in regard to this application.

Respectfully submitted,

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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class or priority mail, postage prepaid, in an envelope addressed to: Mail Stop Patent Applications, Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia 22313-1450 on November 3, 2003.

Donald R. Schoonover



FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 1070803	SERIAL NO. 10/622,238
LIST OF PRIOR ART CITED BY APPLICANT		APPLICANT Ivan Osorio et al	
		FILING DATE July 18, 2003	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	4,735,208	04/1988	Wyler et al			
	AB	4,903,702	02/1990	Putz			
	AC	5,097,835	03/1992	Putz			
	AD	5,938,689	08/1999	Fischell et al			
	AE	5,995,868	11/1999	Dorfmeister et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AG						

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, etc.)

	AH	Topographic and Toposcopic Study of Origin and Spread of the Regular Synchronized Arousal Pattern in the Rabbit, by H. Petsche and Ch. Stumpf, <i>EEG and Clin. Neurophysiol.</i> 12:589-600 (1960)
	AI	The Significance of the Cortex for the Travelling Phenomena of Brain Waves, by H. Petsche and J. Šterc, <i>Electroenceph. Clin. Neurophysiol.</i> 25:11-22 (1968)
	AJ	Étude sur Modèle des Méthodes de Détection EEG, by L. Jami, A. Fournent. J. Calvet et M. Thieffry, <i>Electroenceph. Clin. Neurophysiol.</i> 24:130-145 (1968)
	AK	Influence of Cortical Incisions on Synchronization Pattern and Travelling Waves, by H. Petsche and P. Rappelsberger, <i>Electroenceph. Clin. Neurophysiol.</i> 28:592-600 (1970)
	AL	Properties of Cortical Seizure Potential Fields, by H. Petsche, P. Rappelsberger and R. Trappi, <i>Electroenceph. Clin. Neurophysiol.</i> 29:567-578 (1970)
	AM	Cerebral Cortex: Cytoarchitecture and Electrophysiology, by Elliott M. Marcus, In: "An Introduction to the Neurosciences," by B. A. Curtis, S. Jacobson and E. M. Marcus, Ch. 20, pp. 447-482, W. B. Saunders, Philadelphia (1972)
	AN	Real Time Automated Detection and Quantitative Analysis of Seizures and Short Term Predictions of Clinical Onset, by Ivan Osorio, Mark G. Frei and S. B. Wilkinson, <i>Epilepsia</i> 39(16):615-627 (1998)
	AO	Seizure Blockage with Automated "Closed-Loop" Electrical Stimulation: A Pilot Study, by Ivan Osorio, Mark G. Frei, S. B. Wilkinson, S. Sunderam, Naresh C. Bhavaraju, N. Graves, S. F. Schaffner, T. Peters, A. M. Johnson, C. A. DiTeresi, J. Ingram, V. Nagaraddi, J. Overman, M. A. Kavalir and M. Turnbull, <i>Epilepsia</i> 42(7):(Abstract 2.336) (2001)
	AP	An Introduction to Contingent (Closed-Loop) Brain Electrical Stimulation for Seizure Blockage, to Ultra-Short Term Clinical Trials and to Multidimensional Statistical Analysis of Therapeutic Efficacy, by Ivan Osorio, Mark G. Frei, B. F. J. Manly, S. Sunderam, Naresh C. Bhavaraju and S. B. Wilkinson, <i>J. Clin. Neurophysiol.</i> 18(6):533-544 (2001)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.